Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/30/2019 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124442	-1	2.11	124532	2.11
Blue	F	SSC	125000	124954	-1	1.70	125796	1.70
Blue	E	FITC	16433	16192	-2	2.66	352	19.64
Blue	D	PE	27595	27508	-1	1.87	599	14.53
Blue	B	PerCP-Cy5-5	43183	43112	-1	3.59	1159	19.64
Blue	A	PE-Cy7	31943	31715	-1	5.90	606	39.73
Red	C	APC	42819	42180	-2	2.43	1492	11.89
Red	A	APC-Cy7	31261	30194	-4	2.29	801	11.95
Violet	B	V450	6527	6223	-5	4.28	349	13.28
Violet	A	V500	24533	23621	-4	4.00	551	10.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17835	10.16	610	10	N/A	N/A	Pass
Blue	F	SSC	56867	1.21	552	4	N/A	N/A	Pass
Blue	E	FITC	64	62.06	539	0	0.0208	111	Pass
Blue	D	PE	126	49.42	536	2	0.1742	299	Pass
Blue	B	PerCP-Cy5-5	210	49.77	646	4	0.0099	99	Pass
Blue	A	PE-Cy7	112	98.84	693	4	0.0115	17	Pass
Red	C	APC	354	25.04	579	-4	0.0257	176	Pass
Red	A	APC-Cy7	177	28.05	558	-5	0.0054	625	Pass
Violet	B	V450	53	61.54	448	-7	0.0530	2318	Pass
Violet	A	V500	82	34.35	460	-7	0.0224	825	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.54	-31.89	1.01
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.75	13.60 - 20.40	N/A	N/A	29.37	29.91	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10511

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments